

**USDA/OCE World Agricultural Outlook Board**  
**Stoneville Field Office**  
**and**  
**Mississippi State University Delta Research and Extension Center**  
**Summary of Agricultural Weather Observations\* - 1998**

<b>AIR TEMPERATURE</b>	<b><u>JAN</u></b>	<b><u>FEB</u></b>	<b><u>MAR</u></b>	<b><u>APR</u></b>	<b><u>MAY</u></b>	<b><u>JUN</u></b>	<b><u>JUL</u></b>	<b><u>AUG</u></b>	<b><u>SEP</u></b>	<b><u>OCT</u></b>	<b><u>NOV</u></b>	<b><u>DEC</u></b>	<b><u>ANNUAL</u></b>
AVERAGE MAXIMUM	54.9	57.7	63.9	74.1	86.9	91.8	93.8	93.6	92.1	82.4	66.3	55.2	76.1
AVERAGE MINIMUM	38.6	39.2	43.9	52.2	66.4	73.0	75.3	72.3	68.3	55.6	47.3	38.8	56.0
DEPARTURE OF MEAN FROM NORMAL	5.1	2.2	-0.7	-0.1	4.5	3.0	2.5	2.3	5.6	4.9	3.4	2.1	3.0
HIGHEST TEMPERATURE	69.0	71.0	88.0	85.0	95.0	97.0	101.0	100.0	99.0	96.0	87.0	80.0	101.0
LOWEST TEMPERATURE	29.0	31.0	22.0	42.0	53.0	57.0	71.0	67.0	61.0	39.0	31.0	23.0	22.0
<b>SOIL TEMPERATURE AVERAGES</b>													
2 INCH MAXIMUM	55.4	59.5	65.5	77.5	94.3	101.9	106.4	102.9	96.4	85.6	66.3	55.2	80.6
2 INCH MINIMUM	43.8	44.4	49.6	59.2	74.1	82.1	85.1	82.8	77.9	64.5	52.4	44.7	63.4
4 INCH MAXIMUM	53.9	56.4	60.5	73.3	88.6	95.8	98.7	97.0	90.9	80.7	64.2	54.6	76.2
4 INCH MINIMUM	46.2	47.6	51.7	61.4	75.2	82.6	85.8	84.6	79.8	68.8	56.4	48.3	65.7
8 INCH MAXIMUM	52.7	54.5	59.5	84.6	84.6	92.1	96.0	94.3	88.8	79.1	65.1	56.0	75.6
8 INCH MINIMUM	50.3	51.4	55.9	66.0	79.5	86.0	90.3	89.4	84.0	74.3	61.8	54.1	70.3
20 INCH OBSERVATION	50.3	50.9	54.6	64.4	75.5	83.6	88.1	88.1	83.9	75.9	63.4	54.7	69.5
<b>TOTAL PRECIPITATION (inches)</b>													
	7.94	4.46	4.56	4.35	4.62	1.59	5.70	0.71	2.90	0.86	4.92	6.10	48.71
<b>DEPARTURE FROM 30-YR AVERAGE</b>	2.65	-0.07	-1.08	-1.15	-0.63	-2.47	1.79	-1.33	-0.31	-2.44	-0.52	0.52	-5.04
<b>AVG. SOLAR RADIATION (langley's/day)</b>													
	171	256	394	449	510	583	534	482	416	360	205	153	376
<b>DEPARTURE FROM 20-YR AVERAGE</b>	-49.9	-40.1	15.1	-18.9	-18.2	25.8	-18.3	-32.8	-17.1	13.4	-42.8	-44.4	-16.1
<b>TOTAL EVAPORATION (inches)</b>													
	0.00	0.00	0.00	6.50	8.17	9.83	7.81	7.58	7.72	5.51	2.45	0.00	55.57
<b>TOTAL WIND RUN AT EVAP. PAN (miles/day)</b>	2325	1932	3100	2400	1891	2490	1209	775	1260	1426	1440	2325	22573
<b>RELATIVE HUMIDITY</b>													
AVERAGE MAXIMUM	99	97	92	94	93	93	96	96	96	95	99	99	96
AVERAGE MINIMUM	74	60	49	46	45	53	58	50	44	41	62	74	55

LAST SPRING FREEZE/AIR TEMP <=32, MAR 13 - FIRST FALL FREEZE/AIR TEMP <=32, NOV 6 - GROWING SEASON 238 DAYS, NORMAL 225 DAYS

ADDITIONAL INFORMATION: LOW TEMP RECORDS WERE SET ON MAR 11 (25) AND MAR 12 (22). HIGH TEMP RECORDS WERE SET ON MAR 30 (87), MAR 31 (88), MAY 14 (91), MAY 19 (95), MAY 20 (95), JUN 2 (97), JUL 7 (100), SEP 30 (96), OCT 1 (96), OCT 3 (96), OCT 19 (89), OCT 31 (88), NOV 1 (87), DEC 6 (78). WARMEST MAY ON RECORD; 3rd WARMEST JUNE; 4th WARMEST JULY; 8th WARMEST AUGUST; 3rd WARMEST SEPTEMBER; 6th WARMEST OCTOBER; 8th WARMEST NOVEMBER.

\*BASED ON DATA FROM THE NATIONAL WEATHER SERVICE COOPERATIVE OBSERVING STATION LOCATED IN STONEVILLE, MS